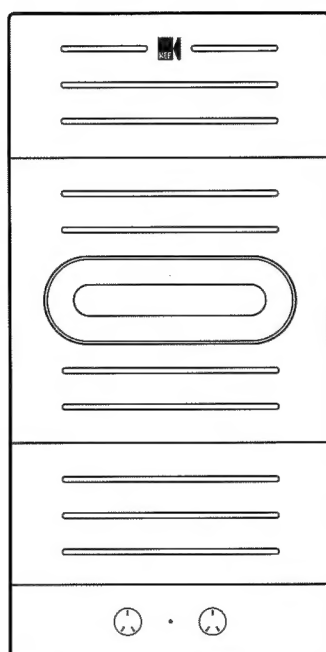
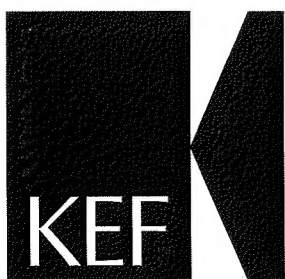


KEF Reference Series Model 40B Subwoofer

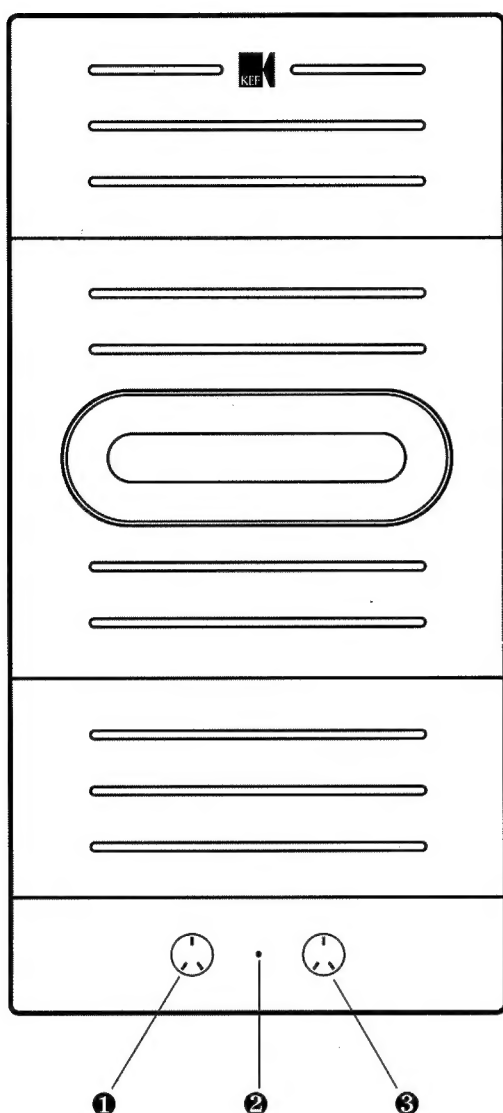
INSTALLATION MANUAL



IMPORTANT
PLEASE READ THIS FIRST

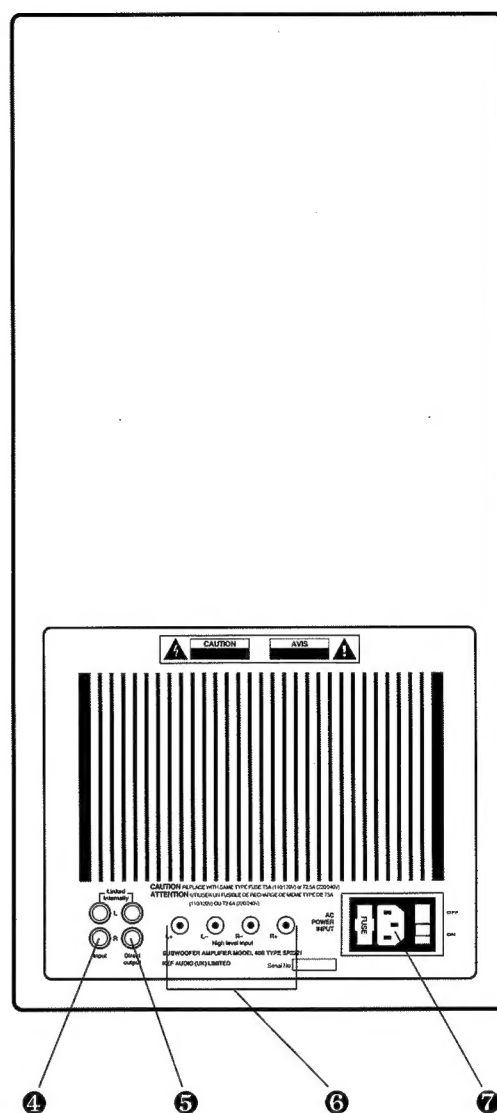


Front Panel Controls and Indicator (See Section 4.1)



- ❶ Volume Control
(See Section 4.1.1)
- ❷ Mains Indicator
(See Section 4.1.3)
- ❸ Frequency Control
(See Section 4.1.2)

Rear Panel Sockets (See Section 4.2)



- ❹ Input sockets
(See Section 4.2.1)
- ❺ Direct output sockets
(See Section 4.2.2)
- ❻ High Level Input terminals
(See Section 4.2.3)
- ❼ AC Power Input Section
(See Section 4.2.4)

Figure 1.

SAFETY INSTRUCTIONS

EXPLANATION OF GRAPHICAL SYMBOLS

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of a sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Please take heed of the following before using the KEF Model 40B. Note also that the word "appliance" shall refer to the KEF 40B subwoofer, or any part of it.

1. Read Instructions – All the Safety and Operating Instructions should be read before the appliance is operated.
2. Retain Instructions – The Safety and Operating Instructions should be retained for future reference.
3. Heed Warnings – All warnings on the appliance and in the Operating Instructions should be adhered to.
4. Follow Instructions – All Operating and Use Instructions should be followed.
5. Water and Moisture – The appliance should NOT be used in or near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. Carts and Stands – The appliance should be used only with a cart or stand that is recommended by the manufacturers. Furthermore, said cart or stand should be moved with care. Quick stops, excessive force and uneven surfaces may cause the appliance/cart combination to overturn.
7. Wall or Ceiling Mounting – The appliance should be mounted to a wall or ceiling as recommended by the manufacturer.
8. Ventilation – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug or similar surface that may block any ventilation openings; or placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat – The appliance should be situated away from heat sources such as radiators, heat registers, stoves or other appliances (including amplifiers) that produce heat.
10. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Grounding or Polarisation – The precautions should be taken so that the grounding or polarisation means of an appliance are not defeated.
12. Power-Cord Protection – Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the appliance.
13. Cleaning – The appliance should be cleaned only as recommended by the manufacturer.
14. Non-use Periods – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. Damage Requiring Service – The appliance should be serviced by qualified service personnel when:
 - a) The power supply cord or the plug has been damaged; *or*
 - b) Objects have fallen or liquid has been spilled into the appliance; *or*
 - c) The appliance has been exposed to rain; *or*
 - d) The appliance does not appear to operate normally or exhibits a marked change in performance; *or*
 - e) The appliance has been dropped or the enclosure damaged.
17. Servicing – The user shall not attempt to service the appliance beyond that described in the Operating Instructions. All other servicing should be referred to qualified service personnel.

SAFETY INFORMATION

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE



- A combined mains power input connector is provided which incorporates a connector, power switch and mains fuse. A three core mains lead is supplied in the Accessory Pack.
- Check before connecting to your local mains supply that the local supply voltage is the same as that marked on the rear panel. If it is not, check with your supplier before proceeding. Under normal conditions, the rear power switch may be left 'ON'. However, it is good practice to switch off the mains with this switch if you are going on vacation or if the subwoofer is not going to be used for an extended period of time. For specific markets an appropriate power lead is supplied.
- The mains fuse is dependant on the local mains supply voltage and should be a 20mm cartridge-type anti-surge fuse. For 220-240 V operation the fuse should be a T2.5 Amp type. For 100-120 V operation the fuse should be a T5 Amp rating type.

WARNING

THIS APPLIANCE MUST BE EARTHED

FOR UK:

The mains lead is terminated with a moulded three pin plug.

Should the plug on the flexible cord not be of the type for your socket outlets do not use an adaptor but remove the plug from the cord and discard. Carefully prepare the end of the supply cord and fit a suitable plug.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green and Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured Green and Yellow must be connected to the terminal in the plug which is marked with the letter E or by the earth symbol \perp or coloured Green or Green and Yellow.

The wire which is coloured Blue must be connected to the terminal, which is marked by the letter N or coloured Black.

The wire which is coloured Brown must be connected to the terminal, which is marked with the letter L or coloured Red.

FOR USA:

The mains lead is terminated with a moulded three pin US plug.

FOR EUROPE:

A mains lead compatible with national earthing standards and complying with the local safety requirement is supplied.

Reference Series Model 40B

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- 2.0 Features
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Thank you for purchasing the KEF Reference Series Model 40B powered subwoofer. We are confident that your 40B will provide reliable, high performance sound for many years to come. Please read this manual fully before you attempt any connections to the Model 40B.

1.0 INTRODUCTION

For over 30 years KEF have designed and built high quality loudspeakers for both domestic and professional users. With great care and attention to detail, KEF have sought to improve its products based on its gains in acquired knowledge such that we are able to manufacture products that confirm our continuing commitment to excellence in sound.

In general terms the amount of bass produced by a loudspeaker is proportional to its size; the bigger the cabinet, the more bass you get. However, for the user who doesn't want large loudspeakers dominating their living room or who are pleased with their existing speakers but who want more bass, there hasn't been a lot of choice – certainly not as far as dedicated subwoofers for Home Theatre are concerned.

With sights firmly fixed on producing bass cleanly, dynamically and effortlessly, KEF have designed and produced a high quality subwoofer that will fully complement any Dolby Pro-Logic surround sound system, yet is equally at home if used as an add-on to a conventional hi-fi system, where the subwoofer can be used to augment the bass output of small 'satellite' loudspeakers.

(Dolby is a registered trademark of Dolby Laboratories Licensing Limited).

2.0 FEATURES

The Model 40B is a medium sized, one-way, two-driver floorstanding subwoofer designed to operate in free space away from side and rear walls. A high quality, internal Amplifier drives the two 200 mm (8") bass drive units mounted in Twin Coupled Cavity configuration.

The Model 40B has been designed to be used from the outset with the best quality Dolby Pro-Logic Home Theatre systems. Bass frequencies are output to the room through a specially designed contoured "letter-box" on the Front Panel.

Model 40B may also be used to enhance hi-fi systems where the loudspeakers have been designed to produce little or no bass extension on their own.

Connection to the Amplifier is by way of either gold plated phono input sockets or by 4 mm binding posts. These enable the 40B to be used with many different types of ancillary equipment. Note that the Model 40B does NOT provide a filtered output to drive satellite speakers.

2.1 Magnetic Shielding

A design feature of the Model 40B is its magnetically shielded drivers. The magnets of both bass drive units are mounted within steel cans which contain flux cancelling magnets. This arrangement reduces the external magnetic field around the loudspeaker, significantly reducing the picture distortion that can be caused by conventional, unshielded loudspeakers. Some televisions may be more sensitive to the location of external magnetic fields, despite this shielding. If in doubt, please consult your dealer.

3.0 UNPACKING, HANDLING AND AFTERCARE.

3.1 Unpacking

On the side of the shipping carton and on the rear panel of the subwoofer, there is a description of the mains voltage that applies to the Model 40B you have purchased. Ensure that this voltage is correct for your area. If it is not, contact the dealer from whom you purchased the Model 40B. Under no circumstances should you connect the Model 40B to an inappropriate supply voltage.

The Model 40B subwoofer is packed as one speaker per carton. Unpack the speaker carefully and inspect for any visible sign of damage. Your speaker left KEF in perfect condition. If any damage is apparent, notify your dealer immediately. Retain the packaging in case a need arises for you to transport the subwoofer at a later date.

If space permits, retain the original packaging that your Model 40B was supplied in. This will ensure safe transit should the Model 40B need to be transported (if you are moving house or should servicing be required). When unsuitable packaging is used to ship the Model 40B for service, a charge may be made for the supply of new packaging when the product is returned to you.

3.2 Handling and Aftercare

Please ensure that the Amplifier heatsink is not obstructed by soft furnishings, curtain material, deep pile carpet etc. The surfaces of these cabinets may be cleaned with a slightly damp, soft lint-free cloth. We do not recommend that the cabinet is exposed to direct sunlight or high temperatures. Nor should the subwoofer be allowed to become wet.

4.0 CONTROLS AND GENERAL OPERATION

4.1 FRONT PANEL CONTROLS AND INDICATOR

There are two user-adjustable controls located on the front panel: The control, marked with the figures '0 - -9 - -∞', is the Volume Control and the right-hand control, marked '120 - 80 - 50', is the Frequency Control. (See Figure 1).

To adjust either control, push the centre of the spring-loaded knob and the control will latch outwards towards you. The control may now be adjusted to suit your personal preference, using the graduation mark located at the twelve o'clock position. Once set to the users preferred setting, each control may be pushed in such that it is then latched into the flush position.

4.1.1 Volume Control ①

The Volume Control allows the user to vary the output level of subwoofer in relation to the satellite or AV speakers. Clockwise rotation of the control will increase the output level of the subwoofer, such that when the '0' mark on the knob is set to twelve o'clock, full output may be achieved.

4.1.2 Frequency control ③

The variable Frequency Control changes the subwoofer upper cut-off frequency. Its effective range is from 50 Hz to 120 Hz at a rate of 24 dB per octave. Clockwise rotation of the frequency control increases the cut-off frequency, and accordingly, increases the range over which the subwoofer works. Adjust this control for the smoothest integration of sound between the main speakers and the subwoofer.

4.1.3 Mains Indicator ②

A single red led, positioned between the two Front Panel controls, is illuminated if the rear mains switch is 'ON'.

4.2 REAR PANEL SOCKETS

The rear panel of the Model 40B Amplifier incorporates the Input sockets (Balanced and Unbalanced), Direct output sockets and the AC Power Input. You should connect your amplifier to either the Input phono sockets or to the High Level Input terminals.

4.2.1 Input sockets (Low level) ④

One pair of phono sockets is provided for the low-level Left channel input (coloured White) and Right channel input (coloured Red) to the subwoofer. If your amplifier has an external processor 'OUT' socket facility, then the low-level external processor output of your amplifier may be connected to the Input of the subwoofer. Use a good quality, screened interconnect cable to connect your amplifier to the Model 40B. Refer to your amplifier instruction manual for guidance on how to use its external processor facility. (See Figure 2).

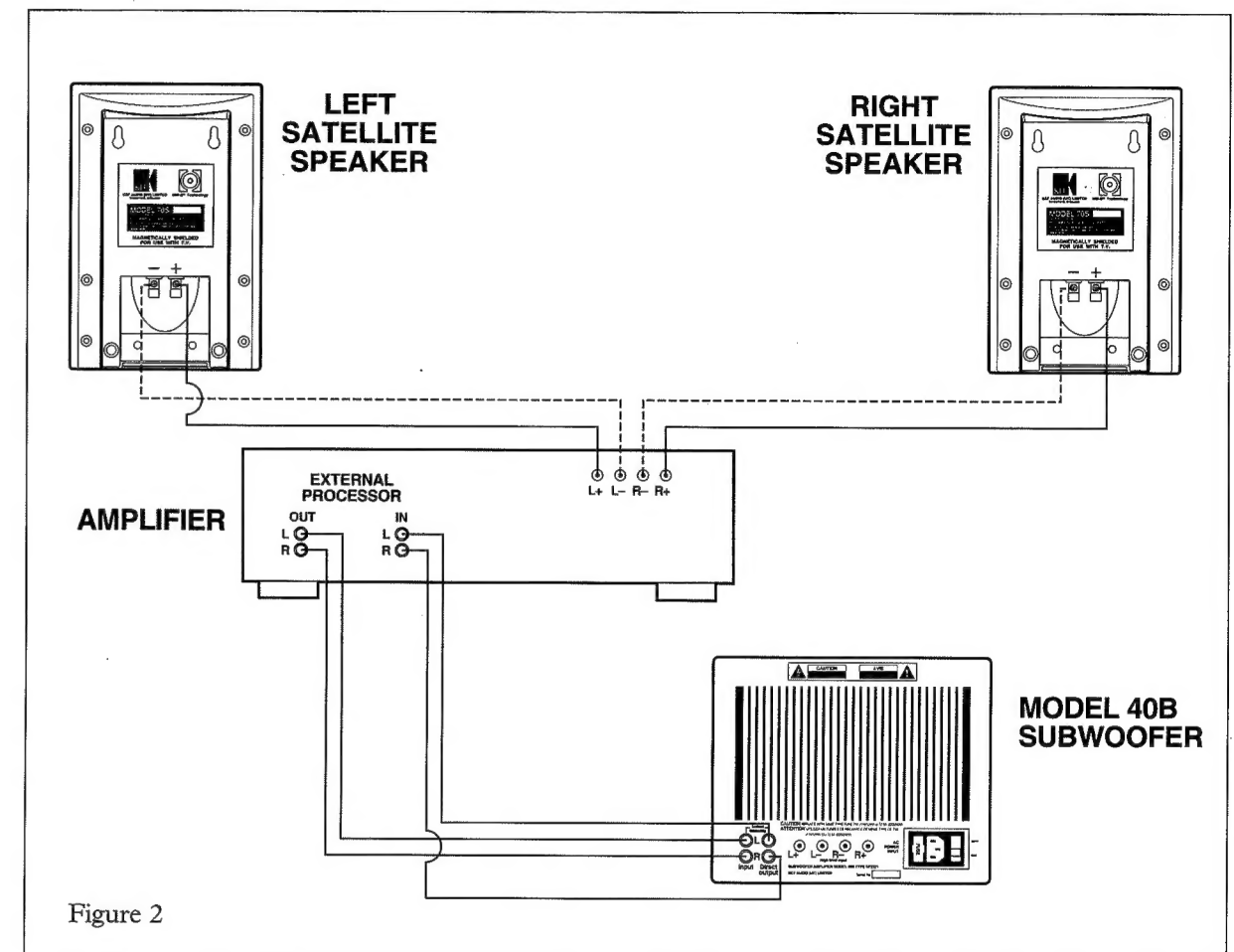


Figure 2

4.2.2 Direct output sockets (Low level) ⑤

The phono-type output sockets are linked internally to the Input sockets and can be used to feed the stereo Left and Right input signals to other equipment, such as your external processor 'IN' sockets or to a power amplifier. Screened interconnect cables should be used when using these sockets. (See Figure 2).

4.2.3 High Level Input terminals ⑥

The 4 mm Binding Post terminals, marked 'L+' and 'L-' for the Left channel input and 'R+' and 'R-' for the Right channel input, enable the user to feed the speaker output of a stereo amplifier into the subwoofer for subsequent attenuation and filtering. Bass frequencies are then boosted by the Model 40B internal Amplifier. (See Figure 3). Use a good quality speaker cable for connection to your amplifier; a heavy gauge cable is not required, unless you are parallelling your satellite speakers to the High Level Input terminals.

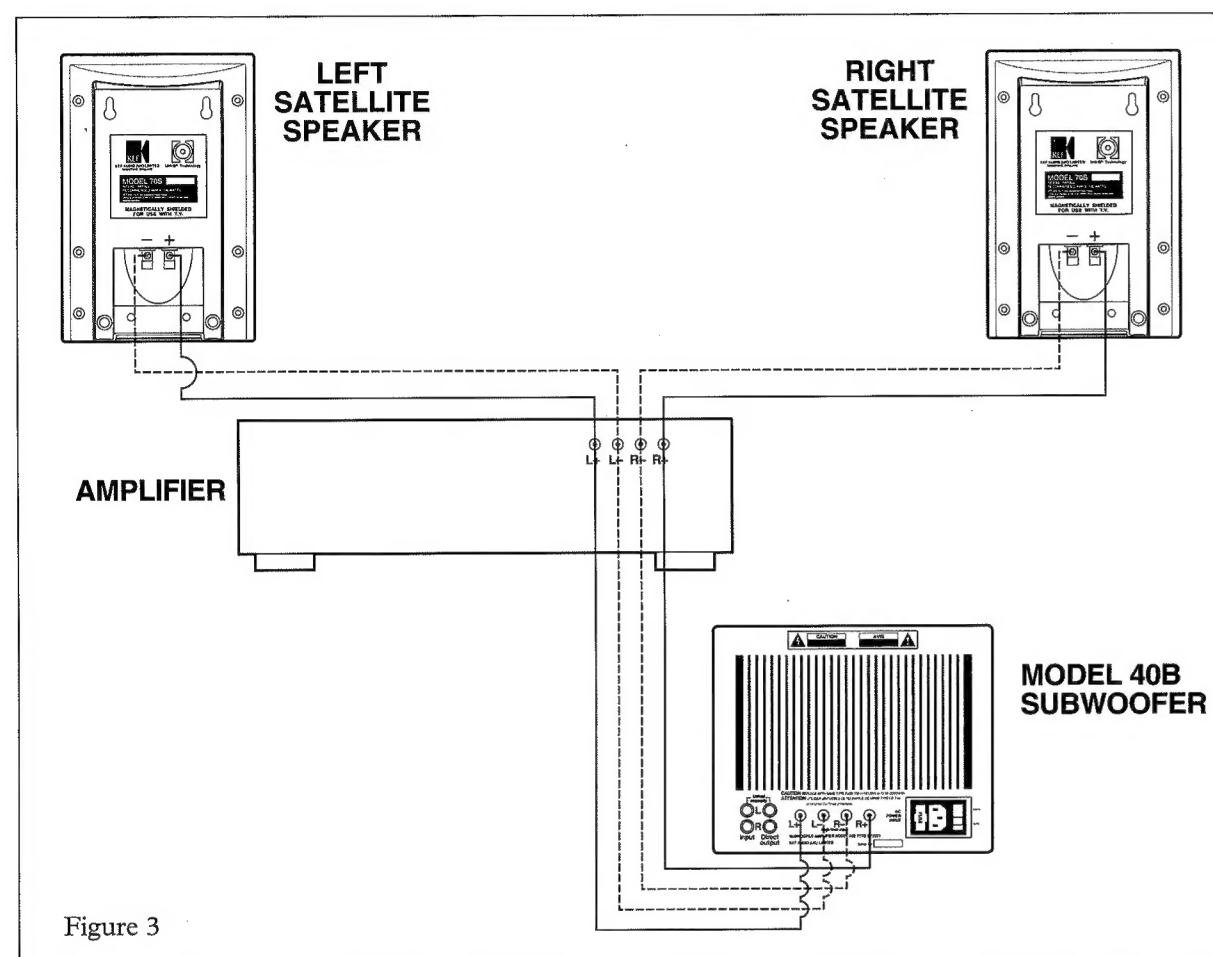


Figure 3

(Prior to making any connections to the High Level Input terminals, please ensure that the Model 40B and your existing amplifier are switched 'OFF' and that each cable connected to a specific High Level Input terminal does not touch any other terminal, otherwise damage to your amplifier may occur).

When using the High Level Input terminals, it is quite acceptable to connect your satellite speakers to the High Level terminals, rather than directly to your existing amplifier, if this makes the installation of speaker cables easier. (See Figure 4).

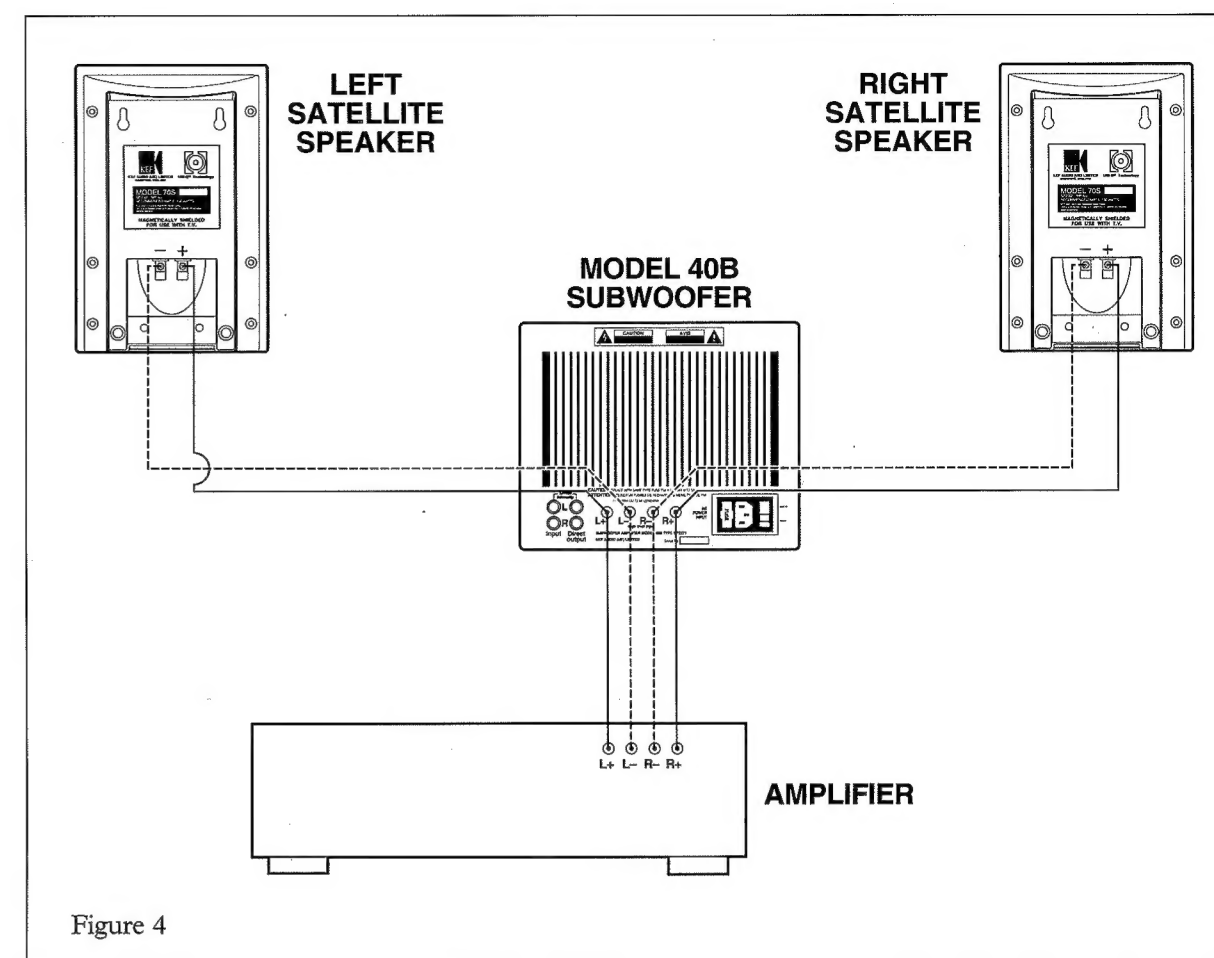


Figure 4

Note that the internal subwoofer amplifier has a relatively high input impedance which should not affect the stability of your existing amplifier output.

4.2.4 AC Power Input Section ⑦

A combined mains power input connector is provided which incorporates a connector, power switch and mains fuse. A three core mains lead is supplied in the Accessory Pack.

Check before connecting to your local mains supply that the local supply voltage is the same as that marked on the rear panel. If it is not, check with your supplier before proceeding.

It is recommended that, under normal conditions, the rear power switch should be switched 'OFF' when the subwoofer is not being used. For specific markets an appropriate power lead is supplied.

The mains fuse is dependant on the local mains supply voltage and should be a 20 mm cartridge-type anti-surge fuse. For 220-240 V operation the fuse should be a T2.5 Amp type. For 100-120 V operation the fuse should be a T5 Amp rating type.

5.0 INSTALLATION

5.1 Speaker Placement and Room Acoustics

Whilst bass frequencies are generally regarded as being omni-directional, some listeners may notice the low frequency sounds coming from the subwoofer. This effect may be due to many factors such as closeness to room boundaries, room construction, internal room volume, distance between the main speakers and the subwoofer etc. It should also be noted that no part of the subwoofer is designed to operate in a damp environment nor will it benefit from immersion in liquids. Storage and operating temperatures in the range -5°C to +45°C are considered satisfactory.

5.2 Speaker Positioning

There are no hard and fast rules that will dictate which is the best position in your particular room; however, whilst it is impractical to expect you to constantly move the subwoofer around the room to get the best sound, some experimentation is still likely to be required. As a start, we would recommend the following:

Position the subwoofer in a direct line between and equidistant from, each of the two main front channel speakers. Take note that positioning the subwoofer in a corner or close to a wall will accentuate the low frequency output. This may lead to the overall sound being too boomy. If possible, experiment with the position of the subwoofer within the room by playing different types of pre-recorded material and taking note of which position offers the best sound balance with your chosen front channel speakers.

Fine adjustment of the Subwoofer output level may also be required to get the best integration of sound pressure levels.

5.3 Home Theatre/Hi-Fi System usage

Surround sound products are now available that do not fit a specific category. The surround sound processor in your Home Theatre system may be incorporated within a pre-amplifier, an integrated amplifier or a receiver (tuner/amplifier). Alternatively, you may have a separate dedicated processor. Whichever component you have will have its input and output sockets clearly marked. Please ensure that you take time to identify the position of each of these sockets as care taken now will ensure that the subwoofer is connected correctly and that it will work optimally.

There are some choices that you will need to make when deciding how to connect your Home Theatre system to the Model 40B subwoofer. You may need the instruction book that came with your system to answer some of these questions.

For use with Dolby Pro-Logic and Surround Sound systems:

The output from either Dolby Pro-Logic or Surround Sound products can be fed to the Input sockets (if you have a stereo output). If you have only a single mono subwoofer output on your amplifier/processor, you should feed the signal to the Left channel input socket and then connect a single phono-phono lead from the Left channel output socket to the Right channel input socket.

If your Home Theatre system amplifier does not have any line level RCA Phono output sockets available.

You can only use the speaker output from your integrated or power amplifier. Connect your amplifier speaker output terminals to the Model 40B Left and Right High Level inputs using good quality speaker cable. (See Section 4.2.3). This need not be a heavy or thick gauge as the Model 40B will not be drawing any current. You should ensure that when you connect these additional speaker cables to your amplifier that no stray strands of cable touch any of the other terminals as damage may be caused to your amplifier/power amplifier.

For use in stereo hi-fi systems

Connect the Left and Right pre-amplifier output sockets to the Input sockets on the rear of the Model 40B Amplifier using good quality screened cables. The feed to your power amplifier can then be taken from the Direct output sockets on the rear of the subwoofer.

If you do not have a pre-amp output facility (that is one that varies up and down as your main volume control rises and falls) then you can only use the Left and Right High Level inputs which should be connected to your amplifier Left and Right speaker outputs respectively. (See Section 4.2.3)

5.4 Amplifier Connections

All connections should be made with the subwoofer switched 'OFF'. Furthermore, it is advisable that all other equipment should be switched off, prior to making any changes. This will reduce the possibilities of faults occurring during the setting up process.

All signals fed to the Model 40B should be adjustable from the source equipment (such as the AV amplifier). Under no circumstances should the Model 40B be connected to amplifier "Record Output" sockets, as there is no control of volume from these outputs.

5.5 System Fine Tuning

Once positioned within the room, the controls on the Model 40B may only need to be adjusted infrequently. Indeed, the rear panel controls have been placed there to prevent continuous and confusing adjustment. However, in fine tuning your Model 40B subwoofer, you may notice that small changes in the positions of the controls may make significant differences in the sound. KEF advises you to alter one control at a time so that you can confirm the effect is as required.

6.0 FAULT DIAGNOSIS

6.1 Trouble Shooting Guide

In the first instance, if the subwoofer does not appear to work at all, make the following checks to ensure that the fault is not due to another part of the system malfunctioning or not working correctly.

If the Front Panel Power led light does not come on when the rear panel mains switch is 'ON' and you have confirmed that the local supply voltage is the same as the setting for the Amplifier then check that your mains plug is correctly wired into your local supply and that the IEC socket is pushed firmly into the corresponding connector on the rear panel of the Model 40B. Then check any local house fuses as well as the rear panel fuse.

If the Front Panel led still doesn't come on, then check with your local supplier as to your next course of action.

If visual indication is shown but no sound comes from the Model 40B then you should check the following:

Ensure that the source equipment and the Model 40B are switched 'ON'.

Confirm that the Model 40B Volume Level adjustment is set correctly.

Confirm that the output sockets on the source equipment are correctly switched and adjusted to provide sufficient level to drive the subwoofer.

Confirm the integrity of all connections both at the Model 40B end and the source equipment end. (Ensure that the subwoofer is switched 'OFF' when you do this).

Note that no sound will come from the subwoofer unless a signal is fed to it from the source equipment. It is helpful if the source material used is particularly rich in bass output.

If sound is still not apparent from the subwoofer, contact your local supplier for further advice.

6.2 Warranty

Your KEF Model 40B loudspeaker is guaranteed against manufacturing defects for a period of 1 year from the original date of purchase and in the country of purchase. This warranty is in addition to your statutory rights as a consumer. However, failure of the loudspeaker due to abuse, improper or inappropriate use and/or operation or damage caused by other faults in your system are NOT covered within the terms of the guarantee.

For warranty details in the UK and USA please see below. For other countries please contact the local KEF Authorised agent. If you are unsure of your local agent, please contact KEF Audio (UK) Limited at the address given below.

FOR UK ONLY

This precision engineered KEF Model Model 40B subwoofer is guaranteed against faulty material and workmanship for a period of 1 year from the date of original purchase subject to the following restrictions.

1. This warranty is only valid in the country of purchase and applies to the first purchaser only.
2. That the equipment has not been disassembled, modified or tampered with by any person other than an expressly authorised representative of KEF Audio (UK) Limited.
3. That the equipment has not been abused or operated in conjunction with unsuitable or faulty apparatus.
4. That the equipment has not suffered mechanical damage or derangement in transit.

Should service be required, notify the dealer from whom you purchased the equipment and have him arrange onward shipment to KEF AUDIO (UK) LIMITED or an authorised agent if he confirms the need for factory attention.

Do not despatch goods without the prior agreement of KEF or their authorised agents.

If asked to return products for inspection and or repair, pack carefully, preferably in the original cartons and returned prepaid.

Insurance is recommended as goods are returned at owner's risk. KEF or their authorised agents cannot be held liable for loss or damage in transit.

Packing, insurance and freight on the return journey will be paid by KEF if warranty work proves to be necessary.

Failure to register in no way limits or invalidates the Warranty, but in the event of service being required, delay may result since our Service Department cannot begin Warranty work until the original sale has been verified.

FOR USA ONLY

This KEF loudspeaker is warranted to the original purchaser against original factory defects in material or workmanship for a PERIOD OF ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE.

This warranty is only valid in the country of purchase. This warranty is non-transferable, and is valid for the first, original purchaser purchasing from an Authorized Dealer of KEF products. Only Authorized Dealers represent themselves as such, and purchasers may confirm the status of Authorized Dealers by calling KEF Electronics of America Incorporated at (508) 429 3600.

WHAT WE WILL DO

Should your KEF loudspeaker fail to function because of a manufacturing defect, KEF will repair or replace it free of charge. If the product is still defective after a reasonable number of attempts by the warrantor to remedy the defect, you may elect a refund of the purchase price or replacement without charge. Before a refund or replacement can be made, the product must be free of all liens and other encumbrances.

HOW TO OBTAIN SERVICE

Should service be required, contact the Authorized KEF Dealer from whom you purchased the equipment and have him arrange warranty repair or onward shipment to KEF Electronics of America. In the event that shipment to KEF becomes necessary, return the product prepaid, only after receiving written authorization and instructions from the dealer.

Include a written description of the claimed defect, and your original sales slip or other proof of ownership and date of purchase.

We strongly recommend that speakers be packed in their original cartons and packing material and that all shipments be insured. (KEF cannot be responsible for loss or damage in shipment). Packing, insurance and return freight will be paid by KEF if work covered under the warranty is necessary.

WHAT IS NOT COVERED

This warranty does not cover a loudspeaker system which has been:

1. damaged while in your possession;
2. overloaded, abused, misused or operated with faulty or unsuitable equipment.

IN NO EVENT SHALL THE WARRANTOR BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, whether damages result from breach of express or implied warranties, tort, negligence or otherwise.

Some states do not allow exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

6.3

Servicing

The Model 40B subwoofer consists of both passive loudspeaker drive units and a single active component, known as an Amplifier. Whilst the drive units are inherently reliable and rarely give trouble, it is important to remember that should a fault occur in any part of the reproducing system, the fault is likely to be heard via the loudspeakers. Therefore when faults arise, careful and analytical diagnosis will be required to locate the actual source of the problem.

Loudspeaker drive units cannot generate hiss or hum. Spurious noises of this type generally originate in the electronic sections of the equipment or even in the programme source itself. If you suspect that the Model 40B is faulty, take time to first confirm that the fault occurs on different programme sources of your equipment. A fault which is evident only when playing CD's but not, for example, when using a laser disc player is unlikely to originate with the Model 40B subwoofer.

Due to the way in which the 40B is designed to work, it may not be possible to establish whether the fault is specific to the subwoofer or the other equipment in your system. If this is the case, then please contact your supplier who can offer more specific guidance on solving the problem.

The Model 40B contains no user-serviceable parts inside. Should servicing be required you should, in the first instance, contact the dealer from whom the subwoofer was originally purchased. Generally, warranty claims are best handled by your dealer. However, in case of difficulty, please contact:

Customer Service Department

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Eccleston Road, Tovil, MAIDSTONE, Kent, ME15 6QP UK

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Fax No.: +44 (0)622 750653

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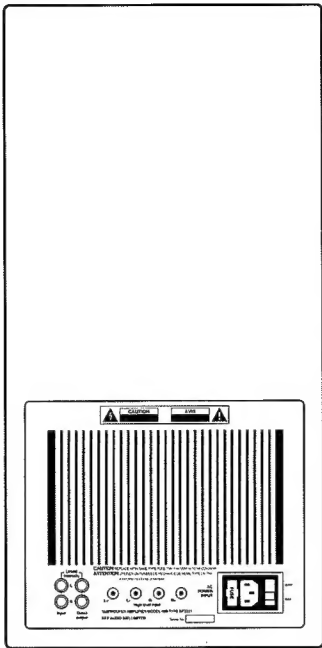
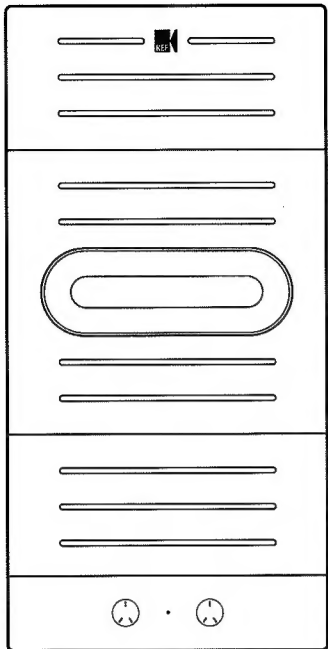
KEF Electronics of America Inc.

89 Doug Brown Way, Holliston, MA 01746 USA

Telephone No.: +1 (508) 429 3600

Fax No.: +1 (508) 429 3699

7.0 TECHNICAL DATA AND SPECIFICATIONS



Product:	Model 40B	
Description:	Powered subwoofer	
LF Drive Units:	2 x 200 mm (8 in.) Paper-Coned, Magnetically Shielded Drive Units	
Frequency Range:	35 Hz – 150 Hz The upper frequency cut-off point of the subwoofer is continuously variable between 50 Hz and 120 Hz.	
Maximum Output:	111 dB	
Enclosure Type:	Twin Coupled Cavity	
Internal Volume:	LF: 42 litres (0.62 cu ft)	
Amplifier Output Power:	150 W	
Unbalanced Signal Inputs:	RCA phono sockets	
Balanced Signal Inputs:	4 mm Binding Posts	
Input Impedance:	22 kOhms (Unbalanced) 100 kOhms (Balanced)	
Low Level Signal Outputs:	Unfiltered Direct output sockets	
Net Weight:	28.9 kg (63.6 lb)	
Dimensions: (h x w x d)	mm	565 x 280 x 480
	in.	22.2 x 11.0 x 18.9
Power Requirements:	USA Canada	110-120 V ac, 60 Hz
	Europe	220-240 V ac, 50 Hz
	UK	240 V ac, 50 Hz
Power Consumption:	250 VA both channels driven at full output	

KEF Audio reserve the right, in line with continuous research and development, to amend or change specifications without prior notice.



The experience of sound

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